

137-58-6-11373

Comparison of the Processes (cont.)

while with R combustion ends at the center of the furnace. The combustion processes are better at the front wall than at the rear. For a given thermal stress, the pressure of the combustion gases is less with R than with U. With R the maximum pressure is observed at the center, while with U it occurs at the end of the furnace. With R the flame is flatter and covers a larger area of the bath. Heating of the model to operational temperature is faster with R.

G.G.

1. Furnaces--Performance 2. Fuels--Combustion 3. Gases--Effectiveness

Card 2/2

BEL'SKII, Viktor Isenovich, inzh.; GORA, Aleksandr Petrovich, inzh.;
MOLCHANOV, Nikolay Grigor'yevich, kand.tekhn.nauk; CHERNOV,
Aleksandr Vasil'yavich, inzh.; VAGIN, A.A., red.izd-va;
ISLEN'T'Yeva, P.G., tekhn.red.

[Construction and repair of metallurgical furnaces] Stroitel'stvo
i remont metallurgicheskikh pachei. Pod oushchei red. A.V.Cherno-
va. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tavetnoi
metallurgii. 1959. 448 p.
(Metallurgical furnaces)

SOV/133-59-2-24/26

AUTHORS: Mitkalinnyy, V.I., Candidate of Technical Sciences; Dozent
Molchanov, N.G., Candidate of Technical Sciences, Dozent

TITLE: Aerodynamics of Bell Type Furnaces for Bright Annealing
(Aerodinamika kolpakovych pechey dlya svetlogo otzhiga)

PERIODICAL: Stal', 1959, Nr 2, pp 176-180 (USSR)

ABSTRACT: A study of the gas flow and the distribution of pressure in furnaces fitted with a gas flow directing equipment of various designs by using models (1:8) with double and single muffles was carried out. The dependence of the distribution of the circulating atmosphere on the resistance of washers between the coils, the influence of the point of supply of protective atmosphere and its consumption for retaining pressure at the sand seal, the resistance of the sand seal and the distribution of pressure in the central part of the flow directing equipment were established. The quantitative measurements were done on air models (visual and hydraulic). As a specimen, the furnace designed by Stal'projekt for bright annealing of coil was taken (fig.1). According to the design data the consumption of the atmosphere under the internal muffle was 12000 m³/hr at a temperature

Card 1/3

SOV/133-59-2-24/26

Aerodynamics of Bell Type Furnaces for Bright Annealing

of $t = 860^{\circ}\text{C}$. Aerodynamic characteristics of four types of flow directing equipment were investigated (fig.2). Changes in static pressure, velocity and consumption of circulating gas at various points under the muffle with a double wall with the flow directing apparatus No.1, and under the single wall muffle with the apparatus No.3 are shown in figures 3 and 4 respectively. It is concluded that the level of pressure inside the muffle is determined by: a) the consumption of protective gas supplied; b) tightness of the seal; c) the amount of atmosphere circulating under the muffle. 2) The level of pressure and the amount of circulating atmosphere under the muffle depends on the profile of the flow directing apparatus. 3) The tightness of the sand seal has an influence on the level of pressure but not on the character of distribution of pressure along the path of circulating gas. A similar influence has the consumption of the protective gas supplied under the muffle. 4) The character of the distribution of static pressure along the path of circulating atmosphere is determined by the relationship of resistances of the individual sectors along the path of the gas. 5) The distribution of the circulating

Card 2/3

SOV/133-59-2-24/26

Aerodynamics of Bell Type Furnaces for Bright Annealing

atmosphere along the height of the charge is approximately the same for muffles with single and double wall.

6) The necessary positive pressure at the sand seal is attained if the flow directing apparatus operates with a ratio of pressure drop in the diffusor to the total pressure drop of not less than 1.0 ~ 0.8 . 7) Pressure drop for a muffle with a double wall with a charge of 4 coils is 20-28% higher than for a single wall muffle. 8) The pressure of the sand seal is independent of the point of supply of the protective gas. It is stated in the editorial note that the above results should be considered as preliminary until they are confirmed by experiments on the actual furnaces. There are 4 figures.

ASSOCIATION: Moskovskiy Institut Stali (Moscow Institute of Steel)

Card 3/3

KRIVANDIN, Vladimir Alekseyevich, dots., kand. tekhn. nauk; MOLCHANOV,
Nikolay Grigor'yevich, dots.; SOLOMENTSEV, Semen Leonidovich,
inzh.; Prinimali uchastiye: MARKOV, B.L., kand. tekhn. nauk;
FILIMONOV, Yu.P., inzh.; TEHEN'KOV, B.P., kand. tekhn. nauk,
retsenzent; VASIL'YEVA, R.A., inzh., retsenzent; LANOVSKAYA,
M.R., red. izd-va; MIKHAILOVA, V.V., tekhn. red.

[Metallurgical furnaces] Metallurgicheskie pechi. Pod ob-
shchel red. V.A.Krivandina. Moskva, Gos. nauchno-tekhn. izd-
vo lit-ry po chernoi i tsvetnoi metallurgii, 1962. 600 p.
(MIRA 15:2)

(Metallurgical furnaces)

MITKALINNYY, V.I., kand.tekhn.nauk; MOLCHANOV, N.G., kand.tekhn.nauk;
Prinimali uchastiye: NEVEDOMSKAYA, I.N.; SHKOL'NIKOV, Yu.M.;
VOLVENKIN, V.K.; RAYSKIY, R.N.; BELEN'KIY, A.M.; SKOBEL'TSIN,
S.S.; FEY GZHU-MIN; CHAHAO TIN'-YUAN'

Improvement of bell-type furnaces for bright annealing. Stal'
22 no.4:365-367 Ap '62. (MIRA 15:5)

1. Moskovskiy institut stali.
(Furnaces, Heat-treating) (Annealing of metals)

MOLCHANOV, N.I.

Treatment of closed traumas of the brain with ganglionic blocking preparations. Vop. psikh. i nevr. no.9:377-384 '62. (MIRA 17:1)

1. Kafedra psikiatrii Voyennno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

BOGOMOLOV, S.A., podpolkovnik med.sluzhby, Geroy Sovetskogo Soyuza;
VISHNEVSKIY, A.A., prof., general-leytenant medi.sluzhby, laureat
Leninskoy premii; VOYACHEK, V.I., prof., general-leytenant med.
sluzhby; DYSKIN, Ye.A., dotsent, podpolkovnik med.sluzhby, Geroy
Sovetskogo Soyuza; KUPRIYANOV, P.A., prof., general-leytenant med.
sluzhby, laureat Leninskoy premii; MOLCHANOV, N.M., prof., general-
leytenant med.sluzhby; PETROV, I.R., prof., general-mayor med.sluzhby;
ROGOZIN, I.I., prof., general-mayor med.sluzhby

Honor and glory to the Soviet people, its scientists, engineers, and
technicians, the creators of the space ship and to IUri Gagarin, the
first astronaut and pioneer in the mastery of outer space! Vo.v.-med.
zheur. no.5:10-11 My '61. (MIRA 14:8)

1. Deystvitel'nyye chleny AMN SSSR (for Vishnevskiy, Voyachek,
Kupriyanov, Molchanov, Petrov). 2. Chlen-korrespondent AMN SSSR
(for Rogozin).

(SPACE FLIGHT)

MOLCHANOV, N.N.

USSR/ Electronics - Radio transmitters

Card 1/1 Pub. 133 - 18/19

Authors : Vereshchagin, V. I., and Molchanov, N. N., Radio-Center Engineers

Title : Rebuilding the KV-3 and KV-1 transmitter types

Periodical : Vest. svyazi 1, 29 - 30, Jan 1955

Abstract : A modern radio transmitter, rebuilt from old type KV-3 or KV-1 transmitters is described together with its assembly and operation. The rebuilt transmitter has three stages, can be used for radio-broadcasting, as well as for telegraph and telephone transmission, operating on a 40-100 meter wave range. Instructions are given for tuning adjusting and testing the transmitter. The transmitter operates from an A-C current power line. Minimum output power in radio broadcasting is 400 watts; the power consumed in telegraph operation is 1300 watts, and in telephone operation ~~is 900~~ watts. Circuit diagram.

Institution:

Submitted:

Molchanov, N.N.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow,
Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Molchanov, N. N. (Moscow). Application of the Theory of
Continuous Transformation Groups for the Solution of Ordinary
Differential Equation.

60-61

Myshkis, A. D. (Minsk), Abolina, V. E. (Riga), Zhdanovich, V. F.
(Minsk); Kostyukovich, Ye. Kh. (Minsk); Lepin, A. Ye. (Minsk),
Kharitonenko, P. I. (Minsk) and Shlopak, A. S. (Moscow). Mixed
Problem for Linear Hyperbolic Systems in a Plane.

61-63

Neymark, Yu. I. (Gor'kiy). On the Connections Between the
Stability of Closed and Open Dynamic Systems.

63

Olevskiy, M. N. (Moscow). On the Cauchy Problem of the
Generalized Euler-Poisson-Darboux Equation.

63-64

There is 1 reference, which is a translation into Russian.

Panayoti, B. N. (Baku). Cauchy Problem of Partial Differential
Equations With Small Parameters.

64-65

Card 19/80

MOLCHANOV, N.N.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 876
AUTHOR MOLCHANOV N.N.
TITLE The application of the theory of continuous groups for the investigation of solutions of ordinary differential equations.
PERIODICAL Doklady Akad. Nauk 112, 998-1001 (1957)
reviewed 6/1957

The author shows that the theory of continuous groups can be applied for the determination of limit cycles of the differential equation

$$\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)},$$

where $X(x,y)$ and $Y(x,y)$ are rational polynomials in x and y .
The starting point of the investigation are some theorems without proof on the existence of unique and holomorphic solutions of the equation

$$AM = \left(\frac{\partial X}{\partial x} + \frac{\partial Y}{\partial y} \right) M,$$

in which A denotes the operator $X \frac{\partial}{\partial x} + Y \frac{\partial}{\partial y}$. From these existence theorems the author concludes the existence of the components ξ and η of an infinitely

Doklady Akad. Nauk 112, 998-1001 (1957)

CARD 2/2

PG - 876

small transformation of the group of the equation $Xdy - Ydx = 0$. With the aid of three intuitive lemmas the determination of the upper bound for the number of limit cycles of $Xdy - Ydx = 0$ is carried out. With the aid of the theorem of Noether of the algebraic geometry then also the maximal number of limit cycles can be determined.

INSTITUTION: Electrotechnical Institute for Informations, Moscow.

AUTHOR: Molchanov, N.N.

SOV/42-13-6-12/33

TITLE: The Investigation of the Solutions of the Differential Equation

$$\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)}$$
, Where $Y(x,y)$, $X(x,y)$ are Rational Polynomials of Real Variables x,y in the Neighborhood of the Singular Point(Issledovaniye resheniy differential'nogo uravneniya $\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)}$, gde $Y(x,y)$, $X(x,y)$ - ratsional'nyye mnogochleny ot deystvitel'nykh peremennyykh x,y v okrestnosti osoboy tochki)

PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 6, pp 105-110 (USSR)

ABSTRACT: Given the equation

(1)
$$\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)}$$
,

where X and Y are polynomials in x,y . Let $\frac{1}{M(x,y)}$ be the integrating factor of the equation

(2)
$$X dy + Y dx = 0.$$

At first the author states that for every singular point P of (1) there holds the following choice: either there exist an integral

Card 1/3

The Investigation of the Solutions of the Differential SOV/42-13-6-12/33

Equation $\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)}$, Where $Y(x,y)$, $X(x,y)$ are Rational Polynomials of Real Variables x,y in the Neighborhood of the Singular Point

of the type $\frac{\psi_1(x,y)}{\psi_2(x,y)} = C$, where ψ_1 and ψ_2 are holomorphic

in a sufficiently small circle around P, or there exists an

integrating factor of the form $M(x,y)^{-1} = e^{\frac{\theta_1}{\theta_2}}$, where θ_1 and θ_2 are holomorphic in the same circle. Then it is shown that this choice can be used suitably for the investigation of integral curves in the neighborhood of the singular point: In the

neighborhood Δ of P let exist $M = e^{\frac{\theta_1}{\theta_2}}$. If θ_2 in Δ is different from zero, then M is holomorphic and in Δ there exists a holomorphic integral. If θ_2 has zeros in Δ , then several cases are

possible. Let P be a zero of θ_2 and let $\frac{\theta_1}{\theta_2}$ be of constant sign

in $\Delta - P$. If $\frac{\theta_1}{\theta_2} > 0$, then $e^{-\frac{\theta_1}{\theta_2}}$ is bounded and $X \frac{\partial u}{\partial x} + Y \frac{\partial u}{\partial y} = 0$

Card 2/3

The Investigation of the Solutions of the Differential SOV/42-13-6-12/33

Equation $\frac{dy}{dx} = \frac{Y(x,y)}{X(x,y)}$, Where $Y(x,y)$, $X(x,y)$ are Rational Polynomials of Real Variables x,y in the Neighborhood of the Singular Point

$x,y - \frac{\theta_1}{\theta_2}$

has the integral $\int_{x_0, y_0} e^{\frac{\theta_1}{\theta_2}} (X dy - Y dx) = u(x,y)$. The

integral is unique in Δ and defined in P . In the more complicated case (change of signs) $\Delta - P$ is divided into a finite number of domains with a constant sign of $\frac{\theta_1}{\theta_2}$, where the boundaries of the domains are integral curves of (1). There are 3 Soviet references.

SUBMITTED: May 17, 1957

Card 3/3

16(1)
AUTHOR:Molchanov, N.N. (Moscow)

SOV/39-47-3-1/4

TITLE:

Proof of the Existence of an Integrating Factor in the Neighborhood of a Singular Point (Dokazatel'stvo sushchestvovaniya integriruyushchego mnozhitelya v okrestnosti osoboy tochki)

PERIODICAL: Matematicheskiy sbornik, 1959, Vol 47, Nr 3, pp 265-270 (USSR)

ABSTRACT: The author states that the behavior of the integral curves of the system

$$(1) \quad \frac{dx_1}{x_1} = \frac{dx_2}{x_2} = \dots = \frac{dx_n}{x_n}$$

near a singular point P_0 can be investigated with the aid of the theory of continuous groups. For the integration of (1) it is sufficient to determine $n-1$ independent integrals of

$$(2) \quad x_1 \frac{\partial f}{\partial x_1} + x_2 \frac{\partial f}{\partial x_2} + \dots + x_n \frac{\partial f}{\partial x_n} = 0$$

Card 1/3 Here the theorem holds : There are always two functions

Proof of the Existence of an Integrating Factor
in the Neighborhood of a Singular Point

SOV/39-47-3-1/4

$u_1(x_1, x_2, \dots, x_n, z)$ and $u_2(x_1, x_2, \dots, x_n, z)$ with the properties 1.) u_1, u_2 are analytic in x_1, x_2, \dots, x_n , if $|z|$ is sufficiently small and $P(x_1, \dots, x_n)$ is in a certain neighborhood G of P_0 2.) $u_1(x_1, x_2, \dots, x_n, z) = C$ is an integral of (2), if z is understood as a function of x_1, x_2, \dots, x_n implicitly defined by $u_2(x_1, \dots, x_n, z) = 0$. Now from this theorem it follows that there is a nontrivial holomorphic group of $n - 1$ infinitesimal transformations which transfers the integral curves of (1) into integral curves (in a neighborhood of the singular point P_0). From this again the existence of Jacobi integrating factors for (1) is obtained. In a somewhat other form the author already published the contents of the present paper in Doklady Akademii Nauk about 2 years ago.

Card 2/3

2.

Proof of the Existence of an Integrating Factor
in the Neighborhood of a Singular Point

SOV/39-47-3-1/4

There are 2 Soviet references.

SUBMITTED: July 4, 1957

Card 3/3

MOLCHANOV, N. P.

PA 237T70

USSR/Geophysics - Hydrometeorological Service Dec 52

"Some More on 'Instructions', No 3, Part I," N.P.
Molchanov, Moscow-Izmaylovo Hydromet Station

"Meteorol I Gidrol" No 12, pp 44-45

Articles previously published (*ibid.*), which were
devoted to a criticism of individual statements
made in "Instructions to Hydromet Stations and
Posts" (No 3, Part I), did not exhaust all of the
deficiencies of these "Instructions."

237T70

MOLCHANOV, N.S.

V Kn: Kislorodnoye golodaniye i bor'ba s nim. (In the book: Anoxia and its Control) pages 106-121, L. 1941

MOLCHANOV, N. S.

Molchanov, N. S. - "The role of trauma in the genesis of some chronic diseases of the lungs," Trudy Leningr. obl. gospitalya dlya lecheniya invalidov Otechestv. voyny, Leningrad, 1948, p. 228-40

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949).

MOLCHANOV, N.S.

Therapy of peptic ulcer with sleep. Ter. arkh., Moskva 24 no. 5:
27-34 Sept-Oct 1952. (CIML 23:3)

1. Professor. 2. Of the Military Medical Academy imeni S. M. Kirov.

MOLCHANOV, N.S., professor

F.I.Pasternatskii (scientific, medicopedagogical and public
activity) Klin. med. 32 no.11:75-80 N '54. (MLRA 8:1)
(PASTERNATSKII, FEDOR IGNAT'EVICH, 1843-1902)

MOLCHANOV, N.S., professor, redaktor; DEMBO, A.G., doktor meditsinskikh nauk, uchent, redaktor; LIIMKO, S.I., redaktor; KHARASH, G.A., tekhnicheskiy redaktor

[Problems in the prophylaxis of rheumatism, ulcers, hypertension, and the dispensary treatment of large groups of population; stenographic report] Voprosy profilaktiki revmatizma, iazvennoi i gipertonicheskoi bolezni i dispanserizatsii osnovnykh grupp naseeleniya; stenograficheskii otchet. [Leningrad] Gos.izd-vo meditsinskoi lit-ry, Leningradskoe otd-nie, 1955. 276 p. (MIRA 9:3)

1. Vsesoyuznaya konferentsiya terapevtov. 2. Chlen-korrespondent AMN SSSR (for Molchanov)
(RHEUMATISM) (HYPERTENSION) (PUBLIC HEALTH)

MOLCHANOV, N.S., professor.; YAROSHINSKIY, A.Ya., doctoent.

Some problems in the use of antibiotics in clinical treatment of
internal diseases. Terap. arkh. 27 no.8:5-25 '55 (MIRA 9:5)

I. Chlen-korrespondent AMN SSSR,
(ANTIBIOTICS, therapeutic use,
internal dis.)

MOLCHANOV, N.S., professor, otvatsvennyy redaktor; DEMBO, A.G., doktor meditsinskikh nauk, dotsent, otvatsvennyy redaktor; LILENKO, S.I., redaktor; KHARASH, G.A., tekhnicheskii redaktor

[Problems in the employment of antibiotics in clinical treatment of internal disease; a stenographic report] Voprosy primenenia anti-biotikov v klinike vnutrennikh zabolеваний; stenograficheskii otchet. Otv.red. N.S.Molchanov i A.G.Dembo. [Leningrad] Gos.izd-vo med. lit-ry, Leningradskoe otd-nie, 1956. 230 p. (MIRA 10:2)

1. Vsesoyuznaya konferentsiya terapevtov, 8th, Leningrad, 1955.
2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Molchanov)
(ANTIBIOTICS)

MOLCHANOV, N.S., Corresponding Member of the Academy,

"Changes of Internal Organs During Burns," explaining that the intensity and nature of these changes to a great extent depend on the area and degree of thermic injury. Cardiovascular, gastrointestinal, renal, hepatic, and other changes are touched on.

Paper presented at 11th Session of AMS USSR on Trauma, April 1957.

SD: Sum. 1644

MOLCHANOV, NIKOLAY Semenovich

MOLCHANOV, Nikolay Semenovich, prof.; USPENSKAYA, N.V., redaktor; GUBIN, M.I.,
tekhnicheskiy redaktor.

[Prevention of diseases of the cardiovascular system] Profilaktika
zabolevanii serdechno-sosudistoi sistemy. Moskva, Izd-vo "Znanie,"
1957. 23 p. (Vsesoiuznoe obshchestvo po razprostraneniyu politicheskikh
i nauchnykh znanii. Ser.B, no.29) (MIRA 10:11)

I. Chlen-korrespondent AMN SSSR.(for Molchanov).
(CARDIOVASCULAR SYSTEM--DISEASES)

MOLCHANOV, N.S.

GEORGIYAVSKIY, A.S., general-major med. sluzhby, prof.; MOLCHANOV, N.S.,
general-major med.sluzhby, prof.

Fifth military scientific conference of the Jan E. Purkyne Military
Medical Academy in Czechoslovakia. Voen.med.zhur. no.9:91-94 S '57.
(MIRA II:3)

1. Член-корреспондент АМН СССР (за Molchanov)
(CZECHOSLOVAKIA--MEDICINE, MILITARY--CONGRESSES)

MOLCHANOV, N.S., professor

Fourteenth All-Union Congress of Therapeutists. Sov.med. 21 no.1:
13L-145 Ja '57.

(MILB 10:6)

L. Chlen-korrespondent Akademii meditsinskikh nauk SSSR.
(CARDIOVASCULAR SYSTEM--DISEASES)

MOLCHANOV, N.S., red.; DEMBO, A.G., red.

[Proceedings of the All-Union Conference of Therapeutists,
October 23-25, 1957] Trudy Vsesoyuznoi konferentsii terapevtov.
23-25 oktiabria 1957 g.; stenograficheskii otchet. Leningrad,
Medgiz, 1958. 222 p. (MIRA 12:2)

L. Vsesoyuznaya konferentsiya terapevtov. 9th, Leningrad, 1957.
(THERAPEUTICS--CONGRESSES)

MOLCHANOV, N.S., prof. (Moskva)

Certain aspects of oxygen therapy in coronary insufficiency.
Terap.arkh. 30 no.9:67-73 S'58 (MIRA 11:10)

1. Chlen-korrespondent AMN SSSR.
(CORONARY DISEASE, ther.
oxygen (Rus))
(OXYGEN, ther. use.
coronary dis. (Rus))

MOLCHANOV, N.S., prof., otv.red.; DEMBO, A.G., prof., doktor med.nauk, otv.red.; RYCHKOV, I.I., tekhn.red.

[Problems of vitamin therapy in internal diseases; stenographic account] Voprosy vitaminoterapii vnutrennikh zabolеваний; stenograficheskii otchet. Red.N.S.Molchanov i A.G. Dembo. Leningrad, Gos.izd-vo med.lit-ry, Medgiz, Leningr. otd-nie, 1959. 130 p. (MIRA 13:1)

1. Vsesoyuznaya konferentsiya terapevtov. 10th, Moscow, 1958.g.
2. Chlen-korrespondent AMN SSSR (for Molchanov).
(VITAMIN THERAPY)

MOLCHANOV, N.S., prof. (Moskva)

Changes in internal organs in burns. Klin.med. 37 no.2:26-34
F '59. (MIRA 12:3)

1. Chlen-korrespondent AMN SSSR.
(BURNS, pathology.
internal organs (Rus))

Molchanov, N. S. (Prof.); Kuznetsova, V.P.; Katrushenko, I. N.; Klyachkin, L. M.;
Pilyushin, P. V.; Pinchuk, V. P. --Leningrad

"Functional Disturbances and Morphological Changes of Internal Organs in
Burn Disease."

report submitted for the 27 Congress of Surgeons of the USSR, Moscow, 23-26 May 1960.

MOLCHANOV, N.S., prof., general-leytenant meditsinskoy sluzhby

Dispensary service for the personnel is the most important link
in the system of prophylactic and medical measures. Voen.-med.
zhur. no. 1;22-27 Ja '60. (MIRA 14:2)

I. Deystvitel'nyy chlen AMN SSSR.
(HOSPITALS—OUTPATIENT SERVICES) (MEDICINE, MILITARY)

MOLCHANOV, N.S., general-leytenant meditsinskoy sluzhby, prof.

Some results of a study of burn patients in relation to the
condition of their internal organs. Voen.-med. zhur. no.8:
24-31 Ag '60. (MIRA 14:7)
(BURNS AND SCALDS)

MOLCHANOV, Nikolay Semenovich; IVANOVSKIY, B.D., red. [deceased]; GEMBITSKIY, Ye.V., red.; CHUNAYEVA, Z.V., tekhn. red.

[Treatment in the field; manual for students of medical institutions and for physicians] Voennno-polevaya terapiia; rukovodstvo dlja studentov med-vuzov i vrachei. Leningrad, Gos. izd-vo med. lit-ry Medgiz, Leningr. otd-nie, 1961. 234 p.
(MIRA 14:7)
(MEDICINE, MILITARY—HANDBOOKS, MANUALS, ETC.)

MOLCHANOV, N.S., prof., general-leytenant meditsinskoy sluzhby

Some immediate problems in military field therapy. Voen.-med. zhur.
no. 6:9-14 Je '61. (MIRA 14:8)

1. Deystvit'nyy chlen AMN SSSR.
(MEDICINE, THERAPY)

MOLCHANOV, N.S.

Principles and prospects of treating severe burn sickness.
Voen.-med. zhur. no.10:35-43 O '61. (MIRA 15:5)
(BURNS AND SCALDS)

MOLCHANOV, N.S., general-leytenant meditsinskoy sluzhby, prof.

Some problems in the prevention and treatment of gastritis.
Voen.-med. zhur. no.11:16-21 N '61. (MIRA 15:6)

I. Deystvitel'nyy chlen AMN SSSR.
(STOMACH--INFLAMMATION)

MOLCHANOV, Nikolay Semenovich, prof.; RAVKIND, B.M., red.; BUGROVA,
T.I., tekhn. red.

[What myocardial infarct is] Chto takoe infarkt miokarda. Leningrad, Medgiz, 1962. 30 p.
(MIRA 15:9)
(HEART—INFARCTION)

MOLCHANOV, Nikolay Semenovich; ZHULKOVSKIY, V.K., red.; LEBEDEVA, Z.V.,
tekhn. red.

[Hypotonic states]Gipotonicheskie sostoyaniia. Leningrad, Med-
giz, 1962. 201 p.
(HYPOTENSION)

MOLCHANOV, N.S., prof. (Leningrad)

Clinical aspects of acute pneumonias at the present day. Klin.med.
no.4:9-14 '62. (MIRA 15:5)

1. Deystvitel'nyy chlen AMN SSSR.
(PNEUMONIA)

MOLCHANOV, N.S., prof. (Leningrad)

What is myocardiac infartion. Med.sestra 21 no.11±24-30 N '62.
(MIRA 16±3)

1. Deystvitel'nyy chlen AMN SSSR.
(HEART-INFARCTION)

MOLCHANOV, Nikolay Semenovich, prof., red.; VAL'DMAN, Viktor Aleksandrovich, zasl. deyatel' nauki RSFSR, prof., red.; GEMBITSKIY, Ye.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Rheumatism and rheumatoids; problems of pathogenesis, classification, morphology, clinical aspect, treatment and prevention] Revmatizm i revmatoidy; voprosy patogeneza, klassifikatsii, morfologii, kliniki, lecheniya i profilaktiki. Leningrad, Medgiz, 1963. 318 p.
(MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR
(for Molchanov).
(RHEUMATIC FEVER)

MOLCHANOV, Nikolay Semenovich; DROKO, Ya.I., red.

[Hypotension and hypertension] Gipotonija i gipertoniya.
Moskva, Izd-vo "Znanie," 1964. 29 p. (Novoe v zhizni,
nauke, tekhnike. VIII Seriya: Biologija i meditsina, no.12)
(MIRA 17:7)

1. Dejstvitel'nyy chlen AMN SSSR (for Molchanov).

MOLCHANOV, N.S.; GEL'MAN, B.L.

Some characteristics of the clinical picture and pathogenesis of pneumonia in thermal burns. Vest. AMN SSSR 18 no.10:3-9 '63.

(MIRI 17:6)

I. Vojenno-meditsinskaya ordenska Lenina akademiya imeni Kirova.

MOLCHANOV, Nikolay Semenovich; KLIMOV, S.P., red.; FRIDMAN, A.M.,
red.

[Acute pneumonias] Ostrye pnevmonii. Leningrad, Meditsina,
1965. 206 p. (MIRA 18:6)

MOLCHANOV, N.S. (Leningrad)

Prevention of functional cardiovascular diseases in young
age. Vest. AMN SSSR 20 no.6:58-67 '65. (MRA 18:9)

MOLCHANOV, N.V., inzh.; CHALYY, N.D., inzh.

Improve the quality of the surveying in harbor hydraulic
engineering construction. Transp. stroi. 14 no.5:24-25 My '64.
(MIRA 18:11)

MOLCHANOV, N.V., inzh.; CHALYY, N.D., inzh.

Standardize hydraulic structural elements for the construction of ports. Trans. stroi. 13 no.8:35-36 Ag '63.
(MIRA 17:2)

MOLCHANOV, N.S., prof. (Leningrad)

Hypotensive states. Med. sestra 22 no.11:11-15 N°63
(MIRA 16:12)

1. Deystvitel'nyy chlen AMN SSSR.

MYASNIKOV, A.L., prof., otv. red.; MOLCHANOV, N.S., red.; LUKOMSKIY, P.Ye., prof., red.; VOTCHAL, B.Ye., prof., red.; DEMBO, A.G., prof., red.; MUKHARLYAMOV, N.M., kand. med. nauk, red.

[Transactions of the 15th All-Union Congress of Therapeutists]
Trudy Vsesoiuznogo s"ezda terapeutov. Pod obshchei red. A.L. Miasnikova. Moskva, Meditsina, 1964. 529 p. (MIRA 17:6)

1. Vsesoyuznyy s"ezd terapeutov. 15th, 1962.
2. Deystvitel'nyy chlen AMN SSSR (for Myasnikov, Molchanov, Lukomskiy).
3. Chlen-korrespondent AMN SSSR (for Votchal).

VAL'IMAN, V.A., zasl. deyatel' nauki RSFSR, prof.; ZAMYSLOVA, K.N., prof.; IL'INSKIY, B.V., prof.; KURSHAKOV, N.A.; LUKOMSKIY, P.Ye., prof.; MYASNIKOV, A.L., prof.; MOLCHANOV, N.S., prof.; RAYEVSKAYA, G.A., prof.; TEODORI, M.I., kand. med. nauk; CHERNOGOROV, I.A., prof.; TAREYEV, Ye.M., prof., otd. red.; OSTROVERKHOV, G.Ye., prof., glav. red.; SHAPIRO, Ya.Ye., prof., red. toma; LYUDKOVSKAYA, N.I., tekhn. red.

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Otv. red. E.M.Tareev. Moskva, Izd-vo "Meditina." Vol.2. [Diseases of the cardiovascular system] Bolezni serdechno-sosudistoi sistemy. Red. toma A.L. Miasnikov. 1964. 614 p. (MIRA 17:3)

1. Deystvitel'nyy chlen AMN SSSR (for Tareyev, Myasnikov, Lukomskiy, Molchanov). 2. Chlen-korrespondent AMN SSSR (for Kurshakov).

MOLCHANOV, N.S., prof. (Leningrad)

Clinical aspects and pathogenesis of protracted forms of acute pneumonia. Vrach. delo no.16-13 Ja'64 (MIRA 17:3)

1. Deystvitel'nyy chlen AMN SSSR.

MOLCHANOV, O. I.

MOLCHANOV, O. I. -- "Calculation of a Round Foundation Plate with a Ring of Rigidity (Without Winkler's Hypothesis)." Min Higher Education Ukrainian SSR. L'vov Polytechnic Inst. L'vov, 1955.
(Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

AVDONIN, A.N.; MOLCHANOV, O.N.

Magnetic logging instrument for diamond drilled holes. Sbor.
Iuch.rats.predl. pt. 2:45-47 '63. (MIRA 17:5)

1. Ural'skoye geologicheskoye upravleniye.

HELAN, G.A.; MOLCHANOV, P.I., inzh.

Some economic data on the production and use of fats in the
U.S.A. and capitalist countries of West Europe. Masl.-zhir.
prom. 24 no.11:43-48 '58. (MIRA 12:1)

I. Vsesoyuznyy nauchno-issledovatel'skiy institut zhиров.
(Oils and fats)

BELAN, G.A.; MOLCHANOV, P.I.

Production of margarine and shortenings in capitalist countries.
MasL.-zhir.prom. 25 no.8:38-45 '59. (MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
(Olesomargine) (Oils and fats, edible)

I-53604465 ENG(j)/EWT(a)/EWP(e)/EWT(m)/EPF(w)/EWP(c)/EWP(1)/EWA(d)/ESP(v)/EPV/
T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l) Pf-4/Pt-4/Ps-4 JD/WW/WH

ACCESSION NR. AP5011308

UR/0122/65/000/004/0050/0051
621.891

AUTHORS: Gurvich, O. S. (Engineer); Molchanov, P. N. (Engineer)

42
B

TITLE: Device for determining the coefficient of friction at temperatures to 25000

SOURCE: Vestnik mashinostroyeniya, no. 4, 1965, 50-51

TOPIC TAGS: coefficient of friction, graphite

ABSTRACT: A device is described for determining the coefficient of friction of graphite in a vacuum to 10^{-3} - 10^{-5} mm Hg and at temperatures to 2500C. It consists of a hermetically sealed cylinder in which is fastened a graphite sheet. A graphite

...
sphere which is drawn across the sheet is attached to the end of a weighted rod mounted on a carriage. The carriage is coupled by a flat spring to which a high-temperature strain gauge is glued to a shaft extending through the cover of the cylinder. The strain gauge is used to determine the frictional force. Measurements of the temperature from 200-100°C are made by using a chromel-alumel thermocouple. Temperatures from 1000-1500°C are determined with an optical pyrometer. The dependence of the coefficient of friction of graphite on temperature in the range 20-2200°C in a vacuum of 10^{-3} mm Hg obtained by using the device is shown graphically.

Card 1/2

1 52604-65

ASSOCIATION NR: AP5017308

Orig. art. has: 5 diagrams.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: ME, MT

NO REP SOV: 000

OTHER: 000

446
Card 2/2

MOLCHANOV, P. S.

4410. MOLCHANOV, P. S.--Novaya tekhnologiya izgotovleniya sbornogo zhelezobetona.
L. 1954. 34 s. s ill. 20 sm. (vsesoyuz. o-vo po rasprostraneniyu polit.
i nauch. znaniy. Leningr. otd-niye). 3.000 ekz. 75k. -- (54-58091)p
624.012.4.056 & 661.987

SO: Knizhnaya Letopsis', Vol. 1, 1955

MOLCHANOV, P. V.

Molchanov, P. V. - "New types of cotton fabrics for clothing", Nauch.-issled. trudy (Tsentr. nauch.-issled. in-t khlopcchetobumazh. prom-sti), Issue 2, 1949, p. 78-82.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

MOLCHANOV, P. V.

Molchanov, P. V. - "Cotton tape for Splicing drive belting", Nauch.-issled. trudy (Tsentr. nauch.-issled. in-t khlopcchatobumazh. prom-sti), Issue 2, 1949, p. 84-86.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

MOLCHANOV, P. V.

27103: MOLCHANOV, P. V. - Novoy Tekhniki ke - Novyyu tekhnologii yu. (Pri meneshi ye
odnokovshovykh vshryshnykh ekskavatorov v ugod'noy prom-sti.) Tekhnika z, atsi ya
trudoyemki kh i tyazhelykh rabot, 1949, № 6 c. 23-27

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

MOLCHANOV, P.V., gornyy inzhener.

Effect of engineering and geological conditions of coal deposit
on the system of mining without haulage. Ugol' 29 no.9: 24-27
S '54. (MLRA 7:11)

(Coal mines and mining) (Strip mining)

MOLCHANOV, P. V.

MOLCHANOV, P. V. --"Investigation of Height of Shelves in the Transportation System used in Strip Mining of Used in Strip Mining of Useful Mineral Deposits." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Acad Sci USSR, Inst of Mining Affairs, Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

* For Degree of Doctor of Technical Sciences

MOLCHANOV

SKOCHINSKIY, A.A.; TERPIGOROV, A.M.; SHEVYAKOV, L.D., SERGEYEV, A.A.;
ZAKHAROV, P.A.; USKOV, S.I.; AGOSHKOV, M.I.; MEL'NIKOV, N.Y.;
BRONNIKOV, D.M.; YEMIKEYEV, N.B.; PROTOPOPOV, D.D.; SUDOPLATOV,
A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; NAZARCHIK, A.F.; TERPOGOSOV,
Z.A.; BARSUKOV, F.A.; POMORTSEV, A.D.; DEMIDYUK, G.P.; MOLCHANOV,
P.V.; MAKSIMOVA, Ye.P.; GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY,
N.S.; BOGOMOLOV, V.I.; KHODOV, L.V.; MOSKAL'KOV, Ye.F.; GONCHAROV,
T.I.

Aleksandr Vasil'evich Kovazhenkov; obituary. Bezop. truda v prem.
1 no.12:35 D '57. (MIRA 12:3)
(Kovazhenkov, Aleksandr Vasil'evich, 1906-1957)

SKOCHINSKIY, A.A.; TEPIGOROV, A.M.; SHEVYAKOV, L.D.; AGOSHKOV, M.I.;
MEL'NIKOV, N.V.; BRONNIKOV, D.M.; YENIKEEV, N.B.; NAZARCHIK, A.F.;
TEPOGOSOV, Z.A.; BARSUKOV, F.A.; SERGELEV, A.A.; PROTOPOPOV, D.D.;
SUDOPLATOV, A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; POMORTSEV, A.D.;
DEMIDYUK, G.P.; KAPITANOV, T.V.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.P.;
GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.;
KHODOV, L.V.; MOSKALEKOV, Ye.F.

Aleksandr Vasil'evich Kovazhenikov; an obituary. Gor. zhur. no.12:
72 D '57. (MIRA II:1)

(Kovazhenkov, Aleksandr Vasil'evich, d. 1957)

MOLCHANOV, P.V., kand.tekhn.nauk

New variant of conveyer-bridge waste dumping systems in strip
mining. Ugol' 36 no.4:48-52 Ap '61. (MIRA 14:5)
(Strip mining) (Mine haulage)

POTAPOV, M.G., kand.tekhn.nauk; MOLCHANOV, P.V., kand.tekhn.nauk

Expansion of conveyer transport in the open-pit mines of the
German Democratic Republic. Ugol' 37 no.3:60-61 Mr '62.
(MIRA 15:2)

(Germany, East--Mine haulage) (Conveying machinery)

TARTAKOVSKIY, Boris Nusimovich, kand. tekhn. nauk; SELYANIN, Vitaliy Georgiyevich, kand. tekhn. nauk; RZHEVSKIY, V.V., prof., doktor tekhn. nauk, retsenzent; MOLCHANOV, P.V., kand. tekhn. nauk, retsenzent; NURMUKHAMEDOVA, V.F., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Mining minerals by the open cut method] Razrabotka mesto-rozhdenii poleznykh iskopaemykh otkrytym sposobom. Moskva, Gosgortekhizdat, 1963. 194 p. (MIRA 16:12)
(Strip mining) (Quarries and quarrying)

POTAPOV, M.G., kandidat na tekhn. nauki; MOLCHANOV, P.V., kandidat na tekhn. nauki

Conveying transport in the quarries in East Germany.
Min delo 18 no.8:42-45 Ag '63.

MOLCHANOV, P.V., kand. tekhn. nauk

Conditions and prospects for the expansion of coal strip mining
in Czechoslovakia. Ugol' 38 no.1:52-55 Ja '63. (MIRA 18:3)

1. Institut gornogo dela im. A.A. Skochinskogo.

MOLCHANOV, R.S., kandidat tekhnicheskikh nauk.

Precast reinforced concrete. Nauka i zhizn' 21 no.11:7-9 K '54.
(Precast concrete construction) (MIRA 7:12)

MOLCHANOV, P. S., kandidat tekhnicheskikh nauk; DAYDBEKOV, S. D., kandidat tekhnicheskikh nauk, redaktor

[New techniques for the making of precast reinforced concrete]
Novaia tekhnologiya izgotovleniya sbornogo shlekorbetona. Leningrad,
1955. 33 p. [Microfilm] (MLRA 8:2)
(Precast concrete construction)

Molchanov, K.S.

MOLCHANOV, R.S.; SMIRNOV, N.A.; OLEKHNOVICH, K.A., kandidat tekhnicheskikh
nauk, redaktor; KAPLAN, M.Ya., redaktor; PUL'KINA, Ye.A., tekhnicheskiy
redaktor

[Innovations in the production of reinforced concrete structures and
parts; practice of builders in Leningrad] Novoe v proizvodstve
zhelezobetonnykh konstruktsii i detalei; iz opyta stroitel'nykh orga-
nizatsii Leningrada. Leningrad, Gos.izd-vo lit-ry po stroitel'stvu
i arkhitekture, 1955. 81 p.
(Reinforced concrete)

(MLRA 9:2)

MOLCHANOV, R.S., kand.tekhn.nauk, dozent

New technology of manufacturing precast reinforced concrete
elements under factory conditions. Sbor.nauch.trudov LISI no.24:
12-29 '56. (MIRA 15:3)
(Precast concrete)

~~MOLCHANOV, Roman Samanovich; SHTUKIN, V.V., inzh., nauchnyy red.; KAPLAN, M.Ia., red.izd-vz; VORONETSKAYA, L.Y., tekhn.red.~~

[Making precast reinforced concrete construction elements and details] Izgotovlenie sbornykh zhelezobetonnykh konstruktsii i detalei. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 199 p.

(MIRA 12:8)

(Precast concrete)

VEBER, M.A., kand. tekhn. nauk, dots.; MOLCHANOV, R.S., kand. tekhn. nauk, dots.; SHTUKIN, V.V., inzh., nauchnyy red.; PENOVA, Ye.M., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Enterprises of the construction industry] Predpriatiia stroitel'-noi industrii. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit., i stroit. materialam, 1961. 326 p. (MIRA L4:9)
(Construction industry)

MOLCHANOV, S.

27-2-12/19

AUTHOR: Molchanov, S., Director of the Industrial Mining School No 3
in Dnepropetrovsk oblast'.

TITLE: Revise the Training of Miners (Peresmotret' formy obucheniya
gornyakov)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, No 2
(153), pp 22-23 (USSR)

ABSTRACT: The author deals with the transition to complex labor organization in the coal-fields of KirvoyRog and the resulting necessity of the workers to master 2 or 3 professions because of this. It is necessary to alter the training program of these mine workers. In the future, workers should be trained for complex specialities such as: 1) Stoping workers. 2) Mining development workers and 3) internal mine transport workers.

The preparatory training period for these workers will be longer, but will not exceed 1 1/2 years. The training will improve the productional practice in mines. It will be necessary to broaden the courses in special technology. For the profession "Complex Mechanizer", the course in

Card 1/2

Revise the Training of Miners

27-2-12/19

electrical engineering must be expanded.

A serious deficiency is the size of the big training groups
(25 men) undergoing productional training.

ASSOCIATION: The Industrial Mining School No. 3 in Dnepropetrovsk Oblast'
(Gornopromyshlennaya shkola No. 3 Dnepropetrovskaya Oblast')

AVAILABLE: Library of Congress

Card 2/2

MOLCHANOV, S.A.

Harmonic functions for certain discontinuous Markov processes. Vest.
Mosk. un. Ser.1: Mat., mekh. 20 no.3:44-46 My-Je '65. (MIRA 18:9)

I. Kafedra teorii veroyatnostey Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

MOLCHANOV, S.A.

Out-of-town session of the editorial board of the Bol'shaya
Meditinskaya Entsiklopediya. Med. zhur. Uzb. no.1:77-78 Ja
'61. (MIRA 14:6)
(MEDICINE—DICTIONARIES)

KOLCHANOV, S.A. (Moscow)

A problem in the theory of diffusion processes. Four varieties.
See print. 9 no.3:523-528 '61.

MOLCHANOV, S. G.

"State of Blood in Healthy Turkeys in
Respect to Their Sex, Age, Breed, and
Productivity." Thesis for degree of
Cand. Veterinary Sci. Sub 24 Feb 50,
Moscow Veterinary Academy

Summary 71, 4 Sep 52, Dissertations Presented
for Degrees in Science and Engineering in Moscow
in 1950. From Vechernaya Moskva, Jan-Dec 1950.

USSR/Farm Animals. Poultry.

Q-5

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101259

Author : Nolchanov, S.G.

Inst : Moscow Veterinary Academy.

Title : Blood Indicators of Healthy Turkey-Hens.

Orig Pub: Tr. Mosk. vet, akad., 1955, 13, 167-178

Abstract: In this paper, blood morphology is scrutinized, and breed variations are pointed out. The fact is also mentioned that erythrocyte counts and hemoglobin percentages are higher in male than in female turkeys.

Card 1/1

69

MOLCHANOV, S.G.

USSR / Farm Animals. Domestic Fowls.

U-10

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72207

Author : Molchanov, S.G.

Title : The Blood Indices in Young Turkeys in Relation to the Mother's Blood.

Orig Pub : Tr. Mosk. Vet. Akad., 1956, 11, 211-214

Abstract : Out of 32 turkeys, 56 young ones were obtained. The Hb in 2-4 hour (before feeding) old turkeys was slightly higher than the mothers'. The higher the Hb in the mother, the higher it is in the young ones. The average Hb in the mother (according to groups): 50.57, 60, 64, 69.74%, and correspondingly in the young: 57, 61, 66, 71, 72, 78 percent. The observation of young turkeys up to one month of age indicated that the little turkeys from mothers with a low Hb were weak, listless and grew slowly whereas the offsprings with high Hb content in mothers were more active and developed well.

Card : 1/1

- 72 -

MOLCHANOV, S.G.

USSR / Farm Animals. Domestic Fowls.

U-10

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72208

Author : Molchanov, S.G.

Title : The Effect of Feed on the Blood Composition of Young Turkeys and Chicks.

Orig Pub : Tr. Mosk. Vet. Akad., 1956, 11, 215-217

Abstract : On two groups of turkeys of the wide breasted bronze breed, receiving different rations, blood investigations were conducted. The first group of turkeys received vitamin-containing feed including preparations of vitamins A and B₂, and fir needles in addition to seed. The second received no vitamin supplements. The analysis of the blood showed that the turkeys of the first group had a 15 percent higher Hb and 283,000 more erythrocytes per mm³. Similar results were obtained on leghorn chicks. The introduction of grass into their diet increased the Hb on the average by 12-14 percent.

Card : 1/1

- 73 -

LYUBASHENKO, S.Ya., prof.; NOVIKOVA, L.S., kand.veterinarnykh nauk;
PICHUGIN, L.M., doktor veterinarynykh nauk, dotsent; MOLCHANOV, S.G.,
dotsent; KHUN SHAN-VEN^t [Hung Shang-wen], aspirant

Materials on the study of leptospirosis in swine. Veterinariia
37 no.8:33-38 Ag '60. (MIRA 15:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy
promyshlennosti (for Lyubashenko). 2. Nauchno-issledovatel'skiy
institut pushnogo zverovodstva i krolikovodstva (for Novikova).
3. Moskovskaya veterinarnaya akademiya (for Pichugin, Molchanov,
Khun Shan-ven^t).

(Leptospirosis) (Swine--Diseases and pests)

Prace, Wydziału, tom 15, No 2, 2005, 1-12.

1. "The Veterinary Service and the Trade Unions," by HILDE LÜTTIG, B.V.Sc., Marxist No. 225.
 2. "Principles of Education - The State of Berlin and Berlin Committee," by L. GÖTTSCHE, M.A., of the SED Central Party Faculty (Berlin Veterinary Institute), of the "Fachliche Arbeitsgemeinschaft (Fachliche Arbeitsgemeinschaft) in Berlin and Brandenburg," Marxist No. 225.
 3. "Workers' Co-Operation in Agriculture and its Function in Marxist Democracy," by GRABBECK, RUDOLF, Marxist No. 225 (Sectional Summary).
 4. "Agriculture, Science as the Basis of the New Type of Agricultural Schools," by DIETRICH, ERNST, Marxist No. 225.
 5. "Education in Germany," by HILDE LÜTTIG, Marxist No. 225.
 6. "Continued Interruption of Agricultural Development in Areas of Marxist Rule," by HILDE LÜTTIG, Marxist No. 225.
 7. "On the Problem of Manufacturing as a Means of Promoting Industrialisation and Socialising in Freedoms," by JESSE MARSHALL, B.A., Marxist No. 225.
 8. "Berlin Agricultural and the Union Section of Marxist Circle," by

MOLCHANOV, S. G.

MOLCHANOV, S.N., kand.med.nauk

DECEASED*

Biological action of Pyatigorsk radon water (from well drill hole
No. 106) during its internal use; an experimental study. Uch.zap.
Pyat.gos.nauch.-issl.bal'n.inst. 3:16-28 '60. (MIRA 15:10)
(RADON—THERAPEUTIC USE) (PYATIGORSK—MINERAL WATERS)

Sergey Nikolaevich Molchanov - obituary - Vop.kue., fizioter. i lech
(1895-1962)
fiz. kult, 28 No.1, 1963
p. 95

S/908/62/000/000/004/008
B163/B180

AUTHORS: Gagin, Ye. N., Kaminir, L. B., Molchanov, S. S.,
Orlovskiy, G. N., Pisarev, V. Ye., Pyshkin, B. N.,
Fedotov, A. F., Yakimenko, M. N.

TITLE: System for electron injection into the chamber of the
680 Mev synchrotron

SOURCE: Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. by
Z. D. Andreyenko. Moscow, Gosatomizdat, 1962. 41-49

TEXT: The method is the same as in the Dubna 10 Bev proton synchrotron.
Particles of constant energy are injected into the magnetic field of the
first quadrant almost at right angles to the magnet radius; injection is
stopped on reaching the equilibrium orbit of the chamber center, and the
accelerating field is switched on direct injection is impossible, due to
the design of the accelerator magnet and the high-voltage injector
(injection energy 0.8 Mev). The electron beam from the Van de Graaff
generator is first deflected by a magnetic 60° sector field and then
injected by three pairs of deflection plates for a total deflection of

Card 1/2

System for electron injection ...

S/908/62/000/000/004/008
B163/B180

30°, into the synchrotron chamber. Between the Van de Graaff exit and the magnetic deflector there is a magnetic corrector consisting of two pairs of magnetic polepieces to correct the eccentricity of the accelerated beam with respect to the geometrical axis. Directly behind the magnetic deflector is a 1.5 kv electric deflector which can be used to select short pulses of 1μ sec. When switched off, the beam passes through a horizontal slit diaphragm. The alignment can be checked on two fluorescent screens. A double electrostatic corrector and two capacitors adjust the position and angle of the beam in the deflectors of the injector, which are in one of the straight sections of the accelerator. Each plate can be separately adjusted by translation and rotation from outside without destroying the vacuum. The radius of curvature of the orbit in this deflection system is 60 cm. The voltage across each pair of plates can be controlled separately. A rough estimate shows that an instability of $2 \cdot 10^{-3}$ rad in the radial and $5 \cdot 10^{-3}$ rad in the axial component of the injection angle produce an intensity loss of 20%. The instabilities of the supply sources are of the order of 0.01 to 0.06%. Circuit diagrams are given for the d.c. amplifier and the rectifier for the reference voltage. There are 5 figures and 1 table.

Card 2/2

S/908/62/000/000/005/008
B163/B180

AUTHORS: Kaminir, L. B., Molchanov, S. S., Orlovskiy, G. N.,
Pyshkin, B. N., Fedotov, A. F., Yakimenko, M. N.

TITLE: Radiotechnical system of the 680 Mev accelerator

SOURCE: Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. by
Z. D. Andreyenko. Moscow, Gosatomizdat, 1962. 50-57

TEXT: In the first acceleration stage, when the electron velocity is still low, a broad-band accelerating device is used consisting of a 55 cm drift tube and a section of coaxial line, whose input conductance compensates the capacitance of the tube. The equivalent oscillatory circuit has a wave resistance of 65 ohm. The circuit is shunted by a resistance to broaden the transmission band. The acceleration per orbit is 250 v, the HF power 2 kw; in the first 10 msec the frequency increases from 19.2 - 20.4 mcp. In the second stage, acceleration occurs with a constant frequency of 20.4 Mops, using a toroidal resonator with a Q-factor of 2000, and wave resistance 6 ohm. Acceleration per orbit is 15 kv, and HF power dissipation 20 kw. The radiation loss in the final stage is

Card 1/2

S/908/62/000/000/005/008
B163/B180

Radiotechnical system of the ...

about 10 kev per orbit. The timing of the different accelerator elements (injection pulse, magnetising current, first and second accelerating stage) is controlled by pulses connected to delay circuits. A system of signal electrodes indicates the intensity and position of the beam during acceleration. There are 6 figures.

Card 2/2

GRYAZNOV, A.I.; METAL'NIKOV, Yu.N.; MOLCHANOV, S.S.; NOVIKOVA, G.V.;
PETUKHOV, V.A.; PISAREV, V.Ye.; PYSHKIN, B.N.; PANTYUSHKOVA, Ye.V.;
SEDOV, M.G.; SHORIN, K.N.; YAKIMENKO, M.N.

The 680 Mev. synchrotron of the Physical Institute of the Academy
of Sciences of the U.S.S.R. Atom. energ. 13 no.3:228-234 S '62.
(MIRA 15:9)

(Synchrotron)